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September 13, 2021

Marlene H. Dortch
Secretary
Federal Communications Commission
Washington, D.C. 20554

Re: Call Sign S3065; IBFS File Nos. SAT-PDR-20200413-00034, SAT-APL-
20200727-00088 and SAT-APL-20201028-00126
Notice of Ex Parte Presentation by AST SpaceMobile, Inc.

Dear Ms. Dortch,

On September 9, 2021, Vikram Raval, Head of Global Regulatory Affairs for AST SpaceMobile, Inc. ("AST"), and Sallye Clark and the undersigned, outside counsel to AST, met with the following members of the staff of the International Bureau: Tom Sullivan; Troy Tanner; Jennifer Gibson; Karl Kensinger; Merissa Valdez; and Katherine Medley.

AST provided the attached presentation regarding the status of the development of SpaceMobile, which will provide converged satellite and mobile technology worldwide to connect the unconnected and accelerate the closing of the digital divide with affordable mobile broadband. The parties additionally discussed the disposition of the second V Band processing round and the experimental license application for the BlueWalker 3 test satellite.

Approval of AST's pending application will ensure U.S. leadership in both the mobile and satellite sectors, stimulating continued development of the manufacturing sector, workforce training, and new technologies in the United States.

Please direct any questions to the undersigned.

Sincerely,

/s/ Laura Stefani

Laura Stefani

Attorney for AST SpaceMobile, Inc.

Attachment

cc: IB attendees
David Strickland and Ethan Lucarelli
Ben Arden
William Davenport
Erin Boone

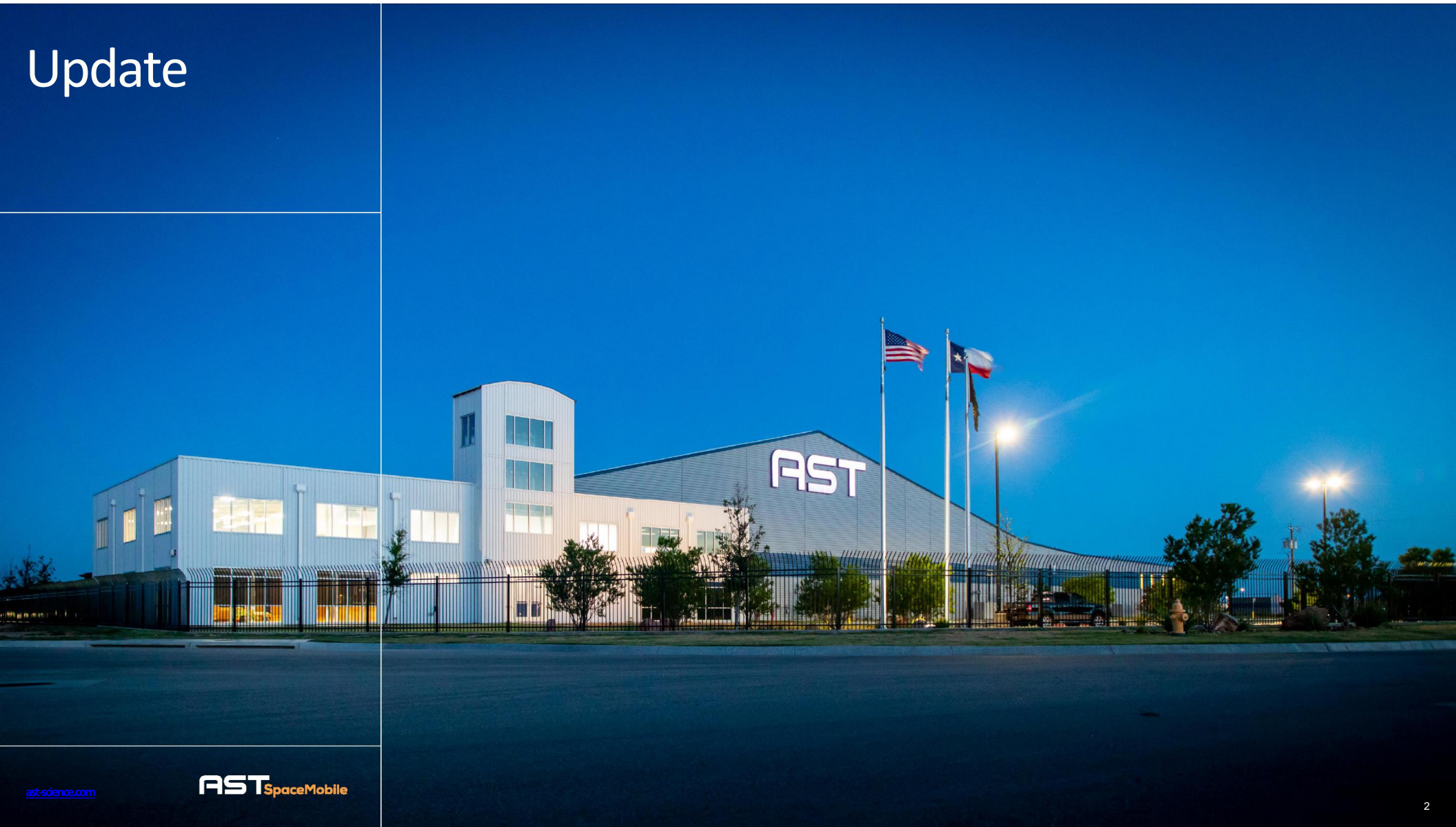
The background of the slide is a deep black space filled with numerous small, distant stars. A prominent, bright, golden-yellow arc, resembling a satellite's orbital path or a celestial body's horizon, curves from the upper center towards the bottom right corner. The logo for AST SpaceMobile is positioned on the left side of the slide. The letters 'AST' are in a large, bold, white sans-serif font. To the right of 'AST', the words 'SpaceMobile' are written in a smaller, bold, orange sans-serif font.

AST SpaceMobile

Transforming how
the world connects

September 9, 2021

Update



Space Systems Mass Production Facility

Midland, Texas 85,000 sq. ft. facility

Assembly of all satellites

Testing and development



Progress

- Built 35,000 square foot clean room
- Installation of satellite test equipment and instruments
- Assembling and testing BlueWalker 3
- Planning for expansion to support commercial constellation manufacturing and assembly

BlueWalker 3 update

BlueWalker 3 is expected to launch aboard a SpaceX mission from Cape Canaveral, Florida, in a window beginning March 2022

- Demonstration of the SpaceMobile end-to-end operational system design
- Designed to communicate directly with cell phones via 3GPP standard frequencies
- Manufacturing, assembly and testing continue to progress, with timing on-target
- Updated materials filed with OET for FCC experimental license application



Spacecraft testing plan

- Following launch, orbital placement, deployment and basic connectivity testing will be conducted
- In the months following launch, ground testing will take place in Texas, Hawaii and with select MNO partners globally
- Ground testing will be used to configure ground equipment and connect directly with unmodified 4G/5G mobile phones

Recent business momentum

Significant progress since the public market debut in April 2021

Industrialization

BlueBird 1 (“BB1”) production spacecraft, expected to be the largest communications phased array ever deployed into space

- Continued to make progress in finalizing the design of our next generation production BB1 spacecraft
- Making investments in Midland, Texas facilities and global supplier development
- Midland facilities planning for production capacity of up to 6 spacecraft per month

Organizational

Employee hiring plan continues to support scaled spacecraft production

- Significantly enhanced in-house engineering, manufacturing, procurement and corporate activities
- Added 62 employees in the second quarter of 2021, now with a team of 454, including 261 full-time employees, 49 full-time contractors and 144 employees of 3rd party engineering services providers working on AST SpaceMobile
- Opening of UK Office at Space Park Leicester, which will house business development, engineering and regulatory functions

Industry-Leading
Strategic
Partners and
Customers

Investors



Became Public Company
ASTS on the NASDAQ raised
\$462m



#1 Mobile Network
Operator
(Outside China)



#1 e-Commerce
Platform in Asia
(Outside China)



#1 Global Cell
Tower Company



#1 Manufacturer of
Mobile Phones

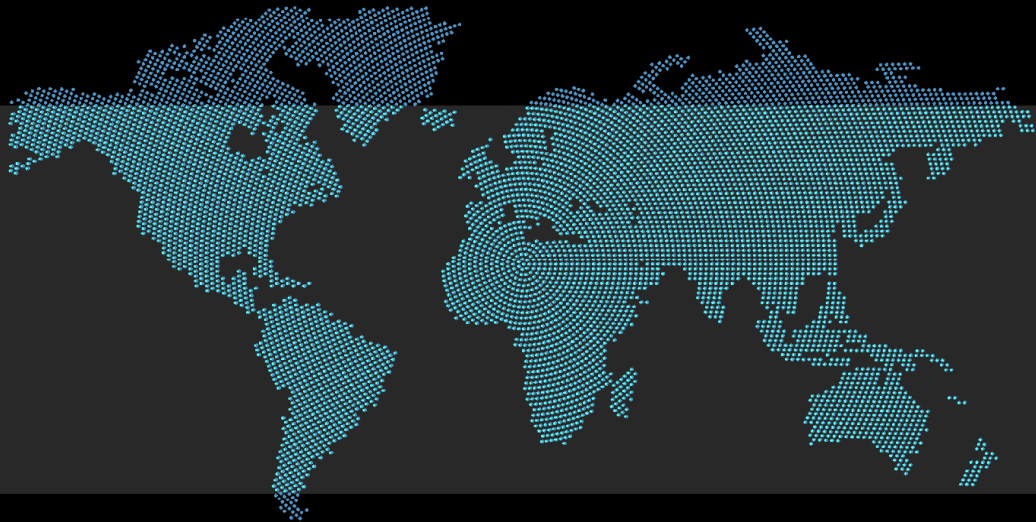
Source: Nasdaq, WCIS, Gartner and S&P Global.

Commercial

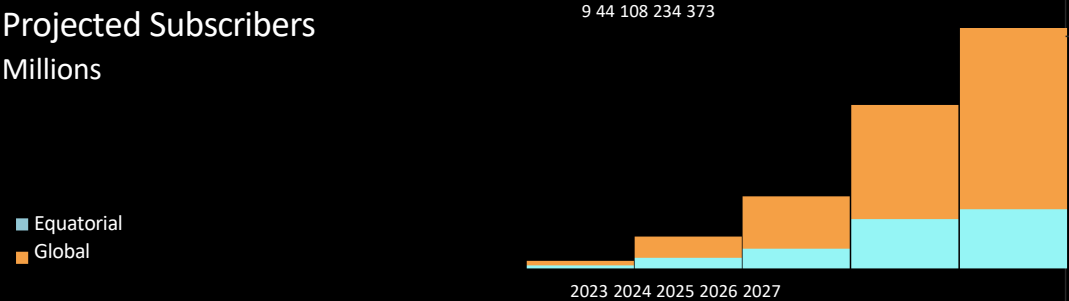
- Increased subscriber count with MNOs under MoU from approx. 1.3 billion to approx. 1.5 billion
- New MOUs signed with MTN, Smart Communications, Africell, MUNI, UT Mobile, LIBTELCO and others

Global Coverage

Key global markets expected to be added to SpaceMobile network on a rolling basis



Projected Subscribers
Millions



- Phase 1**
20 Satellites
Equatorial constellation
- Phase 2**
45 Satellites
North America, Europe and Asia
- Phase 3**
45 Satellites
Full global coverage
- Phase 4**
58 Satellites
Full global MIMO coverage with faster data rates



Regulatory Status and Progress

Regulatory Progress

- Market Access application accepted by the FCC in U.S. and second V band processing round publicized
- AST ITU filings done by PNG/NICTA
- Regulatory approval granted in 6 countries to date, with a total population of more than 360 million
- Test authorizations granted in other markets
- Authorization processes underway many markets
- Experimental license granted by FCC for BlueWalker 1 testing using Band 5 spectrum
- Pending FCC experimental license for BlueWalker 3 testing using Band 5 and Band 14

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Thank you!